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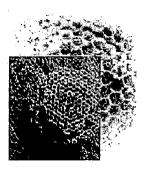
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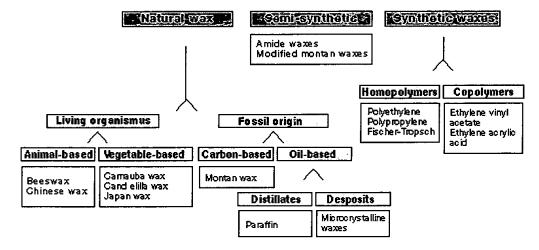
A little bit of "waxology" ...



In the past most people originally understood the term wax to relate only to beeswax. In those days it was still possible to give an unique answer, in a chemical sense, to the question "what is a wax?". Since fossil products such as paraffin wax and montan wax appeared later, a chemical definition became impossible. The chemical composition alone does not determine what a wax is. Rather, wax is a technological umbrella concept for materials that behave like waxes, i.e., which have:

- a melting point of at least 40°C (as opposed to fats and oils)
- a relatively low melt viscosity, non-stringing, but producing droplets (unlike most resins and plastics)
- no chemical decomposition at higher temperatures (which distinguishes them from natural resins).















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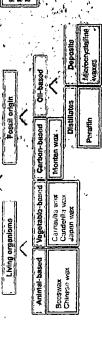
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A little bit of "waxology"







We make waxes usable

At BYK-Cera we have applied ourselves to this matter since 1972, and the Many different capabilities lie hidden within waxes of our endeavours are there for all to see.



WHEN WOW TO TO

On the best land, we know the waxes, and what is much more mineral deservations used to see the second seems of the second se

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Today's applications for waxes

Further processing as a prere-

thetic and synthetic waxes. The cations puts us in the weithing to directly influence the properfles of the wax. This further emulsification, dispersion, pre-

ability to make cherpical modifi-

place a premium on semi-sym

of problems concerning pain great efforts to solve altimat

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affort of the aluminum barticles. dy of a paint system. It would A wax dispersion also has the take care of the required orienanot be possible to have metallic paints if wax dispersions did not



wax additives is produced as a

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cipitation and also micronizati-

processing primarily involves



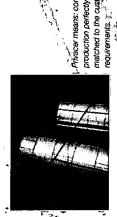


and vanishes for fumiting and wood surfaces of elf types, powers paints to paint fo Our waxes play a major role in the most various areas in daily life. Whether in pain bicycles, computers or "white goods", or as a matellic baso peint for the auto Industry - wax additives from BYK-Cera are made for successful rusuits

Clos attention and careful monitoring from the v ry start:

"For us, development and applications techtology go hand in hand.







guarantees products of consistent quality at Our quality control

the highest level.



Ideal conditions for storag

prompt deliveries."



science in your hands. We are proud to be able to help you in so many With BYK-Cera wax additives you have all the solutions known to different ways today -, and we are working hard on the tasks still unsolved.



Ceracol wax dispersions; are can and coil-coating paints as well as for flexo- and gravure used in surface protection for printing inks.

systems.

paint

high-gloss

field of aqueous paint systems. Thanks to a particle size of sion is the right choice for

< 0.3 µm, Aquacer wax emul-

paste-type additives to improve Ceraflour is a range of 100% Minerpol wax dispersions are powder-type wax additives with a very high degree of fineness. Since they contain no solvent, they have universal application. wet abrasion resistance in off-

> Cerafak, Ceramat and Ceratix particle sizes are considerably wax emulsions. This farcumstance influences the glossi-Atturther , advantage of these : Wax dispersions lies in the fact

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larger than those of Aquacer

ness of the paint system.

set-printing inks.

chure G2 gives comprehensive cation and properties of our Our product explanatory broinformation on the composition, characterístics, areas of appliproducts.

that they affect the rheology of

the paint system.

We offer Solutions for the most varied requirements.

application in everything from

silk-finish to matted systems.

Aquamat products find a ready

The multiplicity of application mean-that extremely varied and the wide variety of demands are made on wax additivès. Our product ranges have been developed over many years in response to se demands. paint system

Wax additives in aqueous systems

Aquacer aqueous emulsions" ~ are the two product groups by: which BYK-Cera covers the and Aquamat wax dispersions